

1647

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/462,909

Source: 1600

Date Processed by STIC: 2/27/2001

RECEIVED

SEP 04 2001

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

# RECEIVED

SEP 04 2001

## Raw Sequence Listing Error Summary

TECH CENTER 1600/2900

SERIAL NUMBER: 09/462,909

### ERROR DETECTED

### SUGGESTED CORRECTION

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos  
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length  
The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering  
The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII  
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 J Variable Length.  
Sequence(s) 219, 91 (maybe more) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"  
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)             . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)  
Sequence(s)              missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)  
Sequence(s)              missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 9      Use of n's or Xaa's  
    (NEW RULES)  
Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response  
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11      Use of <220>  
Sequence(s)              missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"  
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n  
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

1647

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/462,909

DATE: 07/27/2001

TIME: 18:41:12

Input Set : A:\ES.txt

Output Set: N:\CRF3\07272001\I462909.raw

3 <110> APPLICANT: MEINIEL, Annie  
 4 MONNERIE, Hubert  
 5 GOBRON, Stephane  
 7 <120> TITLE OF INVENTION: NOVEL PEPTIDE AND POLYPEPTIDES USEFUL FOR REGENERATING THE  
 NERVOUS

8 SYSTEM

10 <130> FILE REFERENCE: 065691/0179  
 12 <140> CURRENT APPLICATION NUMBER: 09/462,909  
 13 <141> CURRENT FILING DATE: 2000-02-14  
 15 <150> PRIOR APPLICATION NUMBER: PCT/FR98/01556  
 16 <151> PRIOR FILING DATE: 1998-07-16  
 18 <150> PRIOR APPLICATION NUMBER: FR 97/09016  
 19 <151> PRIOR FILING DATE: 1997-07-16  
 21 <160> NUMBER OF SEQ ID NOS: 24  
 23 <170> SOFTWARE: PatentIn version 3.0  
 25 <210> SEQ ID NO: 1

26 &lt;211&gt; LENGTH: 8

27 &lt;212&gt; TYPE: PRT

28 &lt;213&gt; ORGANISM: Bovine

30 &lt;220&gt; FEATURE:

31 &lt;221&gt; NAME/KEY: VARIANT

32 &lt;222&gt; LOCATION: (3)..(3)

33 &lt;223&gt; OTHER INFORMATION: Xaa can be a sequence comprising from 1 to 5 amino acids

36 &lt;220&gt; FEATURE:

37 &lt;221&gt; NAME/KEY: VARIANT

38 &lt;222&gt; LOCATION: (6)..(6)

39 &lt;223&gt; OTHER INFORMATION: Xaa can be a sequence comprising from 1 to 5 amino acids

42 &lt;400&gt; SEQUENCE: 1

W--&gt; 44 Trp Ser Xaa Cys Ser Xaa Cys Gly

45 1 5

47 &lt;210&gt; SEQ ID NO: 2

48 &lt;211&gt; LENGTH: 9

49 &lt;212&gt; TYPE: PRT

50 &lt;213&gt; ORGANISM: Bovine

52 &lt;400&gt; SEQUENCE: 2

54 Trp Ser Pro Cys Ser Val Thr Cys Gly

55 1 5

57 &lt;210&gt; SEQ ID NO: 3

58 &lt;211&gt; LENGTH: 9

59 &lt;212&gt; TYPE: PRT

60 &lt;213&gt; ORGANISM: Bovine

62 &lt;400&gt; SEQUENCE: 3

64 Trp Ser Ser Cys Ser Val Thr Cys Gly

65 1 5

67 &lt;210&gt; SEQ ID NO: 4

68 &lt;211&gt; LENGTH: 9

69 &lt;212&gt; TYPE: PRT

70 &lt;213&gt; ORGANISM: Bovine

Does Not Comply  
 Corrected Diskette Needed

invalid - see item 5 on  
 Err Summary  
 Sheet

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/462,909

DATE: 07/27/2001  
TIME: 18:41:12

Input Set : A:\ES.txt  
Output Set: N:\CRF3\07272001\I462909.raw

72 <400> SEQUENCE: 4  
74 Trp Ser Gln Cys Ser Val Thr Cys Gly  
75 1 5  
77 <210> SEQ ID NO: 5  
78 <211> LENGTH: 4  
79 <212> TYPE: PRT  
80 <213> ORGANISM: Bovine  
82 <220> FEATURE:  
83 <221> NAME/KEY: VARIANT  
84 <222> LOCATION: (1)..(1)  
85 <223> OTHER INFORMATION: Xaa can be Gly, Ser or Cys  
88 <220> FEATURE:  
89 <221> NAME/KEY: VARIANT  
90 <222> LOCATION: (3)..(3)  
91 <223> OTHER INFORMATION: Xaa can be Gly, Ser or Cys  
94 <220> FEATURE:  
95 <221> NAME/KEY: VARIANT  
96 <222> LOCATION: (4)..(4)  
97 <223> OTHER INFORMATION: Xaa can be Gly, Ser or Cys  
100 <400> SEQUENCE: 5  
102 Xaa Trp Xaa Xaa  
103 1  
105 <210> SEQ ID NO: 6  
106 <211> LENGTH: 4  
107 <212> TYPE: PRT  
108 <213> ORGANISM: Bovine  
110 <220> FEATURE:  
111 <221> NAME/KEY: VARIANT  
112 <222> LOCATION: (1)..(1)  
113 <223> OTHER INFORMATION: Xaa can be Gly, Ser or Cys  
116 <220> FEATURE:  
117 <221> NAME/KEY: VARIANT  
118 <222> LOCATION: (4)..(4)  
119 <223> OTHER INFORMATION: Xaa can be Gly, Ser or Cys  
122 <400> SEQUENCE: 6  
124 Xaa Trp Ser Xaa  
125 1  
127 <210> SEQ ID NO: 7  
128 <211> LENGTH: 11  
129 <212> TYPE: PRT  
130 <213> ORGANISM: Bovine  
132 <220> FEATURE:  
133 <221> NAME/KEY: VARIANT  
134 <222> LOCATION: (3)..(3)  
135 <223> OTHER INFORMATION: Xaa can be Gly, Ser or Cys  
138 <220> FEATURE:  
139 <221> NAME/KEY: VARIANT  
140 <222> LOCATION: (6)..(6)  
141 <223> OTHER INFORMATION: Xaa can be Gly, Ser or Cys

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/462,909

DATE: 07/27/2001  
TIME: 18:41:12

Input Set : A:\ES.txt  
Output Set: N:\CRF3\07272001\I462909.raw

144 <220> FEATURE:  
145 <221> NAME/KEY: VARIANT  
146 <222> LOCATION: (9)..(9)  
147 <223> OTHER INFORMATION: Xaa can be a sequence comprising from 1 to 5 amino acids  
150 <400> SEQUENCE: 7  
W--> 152 Trp Ser Xaa Trp Ser Xaa Cys Ser Xaa Cys Gly  
153 1 5 10  
155 <210> SEQ ID NO: 8  
156 <211> LENGTH: 12  
157 <212> TYPE: PRT  
158 <213> ORGANISM: Bovine  
160 <400> SEQUENCE: 8  
162 Trp Ser Gly Trp Ser Ser Cys Ser Arg Ser Cys Gly  
163 1 5 10  
165 <210> SEQ ID NO: 9  
166 <211> LENGTH: 10  
167 <212> TYPE: PRT  
168 <213> ORGANISM: Bovine  
170 <220> FEATURE:  
171 <221> NAME/KEY: VARIANT  
172 <222> LOCATION: (1)..(1)  
173 <223> OTHER INFORMATION: Xaa is an amino acid chain having less than 6 amino acids,  
or a c h what is this?  
174 h  
177 <220> FEATURE:  
178 <221> NAME/KEY: VARIANT  
179 <222> LOCATION: (4)..(4)  
180 <223> OTHER INFORMATION: Xaa can be Pro or (Gly, Ser or Cys)-Trp-(Gly, Ser or Cys)-  
(Gly, S e ?  
181 e  
184 <220> FEATURE:  
185 <221> NAME/KEY: VARIANT  
186 <222> LOCATION: (7)..(7)  
187 <223> OTHER INFORMATION: Xaa can a sequence comprising from 1 to 5 amino acids  
190 <220> FEATURE:  
191 <221> NAME/KEY: VARIANT  
192 <222> LOCATION: (10)..(10)  
193 <223> OTHER INFORMATION: Xaa is an amino acid chain having less than 6 amino acids,  
or a c h ?  
194 h  
W--> 199 Xaa Trp Ser Xaa Cys Ser Xaa Cys Gly Xaa  
200 1 5 10  
202 <210> SEQ ID NO: 10  
203 <211> LENGTH: 36  
204 <212> TYPE: DNA  
205 <213> ORGANISM: Bovine  
207 <220> FEATURE:  
208 <221> NAME/KEY: Unsure  
209 <222> LOCATION: (6)..(6)  
210 <223> OTHER INFORMATION: N can be A, C, G or T  
213 <220> FEATURE:

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/462,909

DATE: 07/27/2001  
TIME: 18:41:12

Input Set : A:\ES.txt  
Output Set: N:\CRF3\07272001\I462909.raw

214 <221> NAME/KEY: Unsure  
215 <222> LOCATION: (9)..(9)  
216 <223> OTHER INFORMATION: N can be A, C, G or T  
219 <220> FEATURE:  
220 <221> NAME/KEY: Unsure  
221 <222> LOCATION: (15)..(15)  
222 <223> OTHER INFORMATION: N can be A, C, G or T  
225 <220> FEATURE:  
226 <221> NAME/KEY: Unsure  
227 <222> LOCATION: (18)..(18)  
228 <223> OTHER INFORMATION: N can be A, C, G or T  
231 <220> FEATURE:  
232 <221> NAME/KEY: Unsure  
233 <222> LOCATION: (24)..(24)  
234 <223> OTHER INFORMATION: N can be A, C, G or T  
237 <220> FEATURE:  
238 <221> NAME/KEY: Unsure  
239 <222> LOCATION: (27)..(27)  
240 <223> OTHER INFORMATION: N can be A, C, G or T  
243 <220> FEATURE:  
244 <221> NAME/KEY: Unsure  
245 <222> LOCATION: (30)..(30)  
246 <223> OTHER INFORMATION: N can be A, C, G or T  
249 <220> FEATURE:  
250 <221> NAME/KEY: Unsure  
251 <222> LOCATION: (36)..(36)  
252 <223> OTHER INFORMATION: N can be A, C, G or T  
255 <400> SEQUENCE: 10  
256 *Wd* tggwsnggnt ggwsnwsntg ywsnmgwnsn tgygggn  
259 <210> SEQ ID NO: 11  
260 <211> LENGTH: 9  
261 <212> TYPE: PRT  
262 <213> ORGANISM: Bovine  
264 <400> SEQUENCE: 11  
266 Trp Gly Pro Cys Ser Val Ser Cys Gly  
267 1 5  
269 <210> SEQ ID NO: 12  
270 <211> LENGTH: 8  
271 <212> TYPE: PRT  
272 <213> ORGANISM: Bovine  
274 <400> SEQUENCE: 12  
276 Asp Cys Lys Asp Gly Ser Asp Glu  
277 1 5  
279 <210> SEQ ID NO: 13  
280 <211> LENGTH: 4  
281 <212> TYPE: PRT  
282 <213> ORGANISM: Bovine  
284 <400> SEQUENCE: 13  
286 Arg Lys Ala Arg

36

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/462,909

DATE: 07/27/2001  
TIME: 18:41:12

Input Set : A:\ES.txt  
Output Set: N:\CRF3\07272001\I462909.raw

```

287 1
289 <210> SEQ ID NO: 14
290 <211> LENGTH: 12
291 <212> TYPE: PRT
292 <213> ORGANISM: Bovine
294 <400> SEQUENCE: 14
296 Ser Ser Cys Arg Ser Gly Cys Trp Gly Ser Ser Trp
297 1 5 10
299 <210> SEQ ID NO: 15
300 <211> LENGTH: 23
301 <212> TYPE: PRT
302 <213> ORGANISM: Bovine
304 <400> SEQUENCE: 15
306 Trp Ser Pro Trp Ser Glu Trp Thr Ser Cys Ser Thr Ser Cys Gly Asn
307 1 5 10 15
309 Gly Ile Gln Gln Arg Gly Arg
310 20
312 <210> SEQ ID NO: 16
313 <211> LENGTH: 23
314 <212> TYPE: PRT
315 <213> ORGANISM: Bovine
317 <400> SEQUENCE: 16
319 Trp Ser His Trp Ser Pro Trp Ser Ser Cys Ser Val Thr Cys Asp Gly
320 1 5 10 15
322 Asp Val Ile Thr Arg Ile Arg
323 20
325 <210> SEQ ID NO: 17
326 <211> LENGTH: 23
327 <212> TYPE: PRT
328 <213> ORGANISM: Bovine
330 <400> SEQUENCE: 17
332 Trp Gly Pro Trp Ser Pro Trp Asp Ile Cys Ser Val Thr Cys Gly Gly
333 1 5 10 15
335 Gly Val Gln Lys Arg Ser Arg
336 20
338 <210> SEQ ID NO: 18
339 <211> LENGTH: 9
340 <212> TYPE: PRT
341 <213> ORGANISM: Bovine
343 <400> SEQUENCE: 18
345 Trp Ser Gln Cys Ser Val Tyr Cys Gly
346 1 5
348 <210> SEQ ID NO: 19
349 <211> LENGTH: 22
350 <212> TYPE: PRT
351 <213> ORGANISM: Bovine
353 <400> SEQUENCE: 19
355 Thr Glu Trp Ser Ala Cys Ser Lys Ser Cys Gly Met Gly Phe Ser Thr
356 1 5 10 15

```

*FSI* →

Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/462,909

DATE: 07/27/2001  
TIME: 18:41:13

Input Set : A:\ES.txt  
Output Set: N:\CRF3\07272001\I462909.raw

L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:256 M:341 W: (46) "n" or "Xaa" used, for SF# ID#:10  
L:403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24